

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Action/Comments					
Inspector Comments: Was not able to see flood fight material storage location. The President of the District was not available with me on this inspection.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Action/Comments					
Inspector Comments: RD 349 has O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_14				
Action/Comments					
Inspector Comments: RD 349 does not have a crew, only landowners and farmers. Was not able to determine if they have been trained recently.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	2
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327037 °	38.316518 °
				-121.576978 °	-121.579135 °
DWR ID	DWR_RD0349_01_f_2014_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: This wild growth needs to be removed from the waterward levee shoulder and slope.					

Photo 1 of 1 : FA_2015_RD0349_204_2_20151012_00010.jpg



Unsatisfactory woody tree growth on the water side levee shoulder and slope

LM Start	0.01	Rating **	U	Issue No.	1
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327037 °	38.313367 °
				-121.576978 °	-121.578807 °
DWR ID	DWR_RD0349_01_f_2014_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Tall weeds need to be removed from levee section.					

Photo 1 of 1 : FA_2015_RD0349_204_1_20151012_00011.jpg



Unsatisfactory growth of wild weeds present on the landside levee slope and toe.

LM Start	0.03	Rating **	M	Issue No.	7
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.326743 °	38.325844 °
				-121.576979 °	-121.577119 °
DWR ID					
Action/Comments					
Inspector Comments: 2015: Erosion observed at the toe. [2015 Site ID: SAC_33-9_R]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.02	Rating **	M	Issue No.	9
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.312595 °	38.309157 °
				-121.578655 °	-121.576993 °
DWR ID	DWR_RD0349_01_f_2014_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

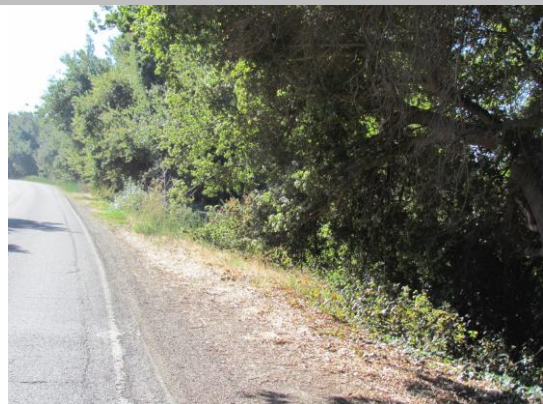
No Photos

LM Start	1.05	Rating **	M	Issue No.	10
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.312193 °	38.309145 °
				-121.578522 °	-121.576985 °
DWR ID	DWR_RD0349_01_f_2014_10				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.11	Rating **	U	Issue No.	5
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.311360 °	38.309287 °
				-121.578240 °	-121.577065 °
DWR ID	DWR_RD0349_01_f_2015_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: The woody tree growth need to be removed and or thinned so the levee can be inspected.					

Photo 1 of 1 : FA_2015_RD0349_204_5_20151012_00016.jpg



Unsatisfactory woody tree growth blocking view of levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.38	Rating **	U	Issue No.	6
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307880 °	38.307453 °
				-121.576068 °	-121.575735 °
DWR ID	DWR_RD0349_01_f_2015_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the woody tree growth from the landside levee slope and toe.					

Photo 1 of 1 : FA_2015_RD0349_204_6_20151012_00015.jpg



Unsatisfactory woody tree growth on the landside levee slope.

LM Start	1.53	Rating **	M	Issue No.	21
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305883 °	38.305373 °
				-121.574765 °	-121.574657 °
DWR ID	DWR_RD0349_01_f_2015_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the growth from the landside slope.					

No Photos

LM Start	1.56	Rating **	U	Issue No.	13
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305450 °	38.305162 °
				-121.574687 °	-121.574750 °
DWR ID	DWR_RD0349_01_f_2014_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: This Arundo present on the waterward section is blocking the view of the levee section.					

Photo 1 of 1 : FA_2015_RD0349_204_13_20151012_00014.jpg



Unsatisfactory arundo completely covering the waterside shoulder and slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	71
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305097 °	38.304780 °
				-121.574925 °	-121.576177 °
DWR ID	DWR_RD0349_02_s_2014_71				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.05	Rating **	U	Issue No.	52
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304853 °	38.303738 °
				-121.575475 °	-121.577828 °
DWR ID	DWR_RD0349_02_f_2015_52				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Mow the slope to remove the tall weeds and vegetation from the levee slope.					

Photo 1 of 1 : FA_2015_RD0349_205_52_20151012_00051.jpg



Looking downstream from landside shoulder at tall snapgrass and other vegetation on slope.

LM Start	0.13	Rating **	M	Issue No.	57
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304353 °	38.303993 °
				-121.576838 °	-121.577437 °
DWR ID	DWR_RD0349_02_f_2015_57				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.14	Rating **	M	Issue No.	62
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304260 °	38.262782 °
				-121.576962 °	-121.591812 °
DWR ID	DWR_RD0349_02_f_2014_62				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.27	Rating **	U	Issue No.	68
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303122 °	38.300208 °
				-121.579010 °	-121.580965 °
DWR ID	DWR_RD0349_02_f_2015_68				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the arundo from the landside slope and toe.					

Photo 1 of 1 : FA_2015_RD0349_205_68_20151012_00054.jpg



Landside levee slope and toe covered with arundo.

LM Start	0.34	Rating **	M	Issue No.	9
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.302358 °	38.301772 °
				-121.579707 °	-121.580093 °
DWR ID					
Action/Comments					
Inspector Comments: 2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2015: Large tree popout, scarp reaches crown of levee. [2015 Site ID: STM_25-8_R]					

Photo 1 of 1 : USACE2013A_STM_25-8_R_2.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.60	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015: Minor new erosion at toe, new tree popout. [2015 Site ID: STM_25-5_R]					

Photo 1 of 1 : USACE2013A_STM_25-5_R_7.jpg



USACE 2013 Photo #1

LM Start	0.64	Rating **	M	Issue No.	70
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.298430 °	38.292457 °
				-121.582132 °	-121.583898 °
DWR ID	DWR_RD0349_02_f_2015_70				
Action/Comments					

No Photos

LM Start	0.71	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297573 °	38.289625 °
				-121.582474 °	-121.584110 °
DWR ID	DWR_RD0349_02_f_2013_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.84	Rating **	U	Issue No.	77
LM End	0.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295708 °	38.294014 °
				-121.582920 °	-121.583411 °
DWR ID	DWR_RD0349_02_s _ 2014_77				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: This brush piled on the landward slope needs to be burned or removed. The metals in the pile will not burn.					

Photo 1 of 1 : FA_2015_RD0349_205_77_20150915_00027.jpg



Unwanted tree clippings piled on the slope creating a burn site. There are metals present in this brush pile.

LM Start	0.86	Rating **	M	Issue No.	17
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.295352 °	38.295352 °
				-121.583047 °	-121.583047 °
DWR ID	DWR_RD0349_02_f _ 2013_17				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.86	Rating **	M	Issue No.	2
LM End	0.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295352 °	38.295352 °
				-121.583050 °	-121.583050 °
DWR ID	DWR_RD0349_02_f _ 2015_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.00	Rating **	U	Issue No.	79
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.293383 °	38.292592 °
				-121.583570 °	-121.583861 °
DWR ID	DWR_RD0349_02_s_2014_79				
Action/Comments					
Repair slope instability. Inspector Comments: There is some erosion present under this brush pile The district needs to bring in some material to make repairs as needed.					

Photo 1 of 1 : FA_2015_RD0349_205_79_20151012_00055.jpg



Under the brush pile is some erosion along the landside slope.

LM Start	1.07	Rating **	U	Issue No.	14
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292457 °	38.289063 °
				-121.583898 °	-121.584057 °
DWR ID	DWR_RD0349_02_f_2015_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the snap grass from the landward slope.					

Photo 1 of 1 : FA_2015_RD0349_205_14_20151012_00060.jpg



Looking downstream from levee mile 1.07 to 1.30 snap grasses covering landward slope.

LM Start	1.26	Rating **	U	Issue No.	8
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289705 °	38.262750 °
				-121.584054 °	-121.591877 °
DWR ID	DWR_RD0349_02_f_2015_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.33	Rating **	U	Issue No.	10
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID					

Action/Comments

Inspector Comments: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2015: No observed changes. [2015 Site ID: STM_24-7_R]

Photo 1 of 1 : USACE2013A_STM_24-7_R_2.jpg



USACE 2013 Photo #1

LM Start	1.33	Rating **	U	Issue No.	61
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288717 °	38.288467 °
				-121.584038 °	-121.584070 °
DWR ID	DWR_RD0349_02_f_2015_61				

Action/Comments

Trees / Woody Vegetation

Inspector Comments: Remove the woody tree growth from the levee slope and shoulder.

Photo 1 of 1 : FA_2015_RD0349_205_61_20151012_00057.jpg



Looking downstream from levee mile 1.33-1.35 woody tree growth completely blocking the view of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.39	Rating **	M	Issue No.	72
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287888 °	38.275708 °
				-121.584082 °	-121.591382 °
DWR ID	DWR_RD0349_02_f _ 2015_72				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the vegetation from the levee slope.					

No Photos

LM Start	1.48	Rating **	M	Issue No.	37
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286819 °	38.285260 °
				-121.585152 °	-121.587501 °
DWR ID	DWR_RD0349_02_f _ 2013_37				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.91	Rating **	M	Issue No.	65
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.281970 °	38.281587 °
				-121.589607 °	-121.589658 °
DWR ID	DWR_RD0349_02_f _ 2014_65				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	2.04	Rating **	M	Issue No.	19
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Small scallop caused by erosion and wave wash. 2015: No observed changes. [2015 Site ID: STM_24-1_R]					

Photo 1 of 1 : USACE2013A_STM_24-1_R_1.jpg



USACE 2013 Photo #1

LM Start	2.11	Rating **	M	Issue No.	16
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015: Minor new erosion. [2015 Site ID: STM_23-9_R]					

Photo 1 of 1 : USACE2013A_STM_23-9_R_5.jpg



USACE 2013 Photo #1

LM Start	2.18	Rating **	M	Issue No.	38
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278187 °	38.275359 °
				-121.590437 °	-121.591171 °
DWR ID	DWR_RD0349_02_f_2013_38				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	2.37	Rating **	U	Issue No.	75
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275708 °	38.275345 °
				-121.591382 °	-121.591130 °
DWR ID	DWR_RD0349_02_f_2015_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove this section of arundo from the levee slope and shoulder.					

Photo 1 of 1 : FA_2015_RD0349_205_75_20151012_00053.jpg



Looking downstream from levee mile 2.37-2.40 arundo has completely covered the landward levee section

LM Start	2.39	Rating **	U	Issue No.	1
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275403 °	38.275403 °
				-121.591229 °	-121.591229 °
DWR ID	DWR_RD0349_02_f_2013_1				
Action/Comments					
Stairway Inspector Comments: The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope.					

Photo 1 of 2 : FA_2015_RD0349_205_1_20151012_00058.jpg



Unauthorized steps placed on the waterward levee slope.

LM Start	2.39	Rating **	U	Issue No.	1 (cont)
LM End	2.39	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_RD0349_205_1_20151012_00059.jpg



Unauthorized boat dock remains on the waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	2.54	Rating **	M	Issue No.	76
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274015 °	38.267227 °
				-121.589180 °	-121.588550 °
DWR ID	DWR_RD0349_02_f _ 2015_76				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.56	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM_23-6_R]					

Photo 1 of 2 : USACE2013A_STM_23-6_R_4.jpg



USACE 2013 Photo #1

LM Start	2.56	Rating **	M	Issue No.	3 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A_STM_23-6_R_5.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	2.62	Rating **	M	Issue No.	78
LM End	2.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.272960 °	38.272960 °
				-121.589048 °	-121.589048 °
DWR ID	DWR_RD0349_02_f_2015_78				
Action/Comments					
Garbage					

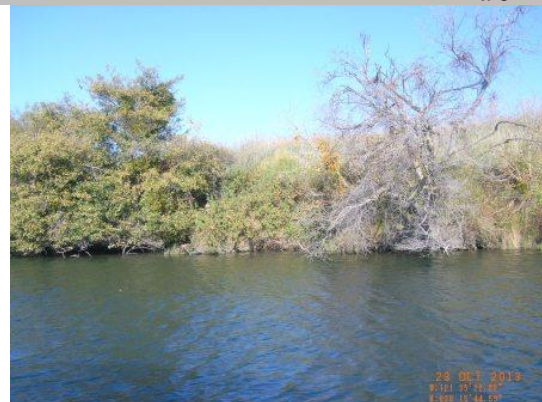
No Photos

LM Start	3.03	Rating **	M	Issue No.	54
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.267391 °	38.267391 °
				-121.588655 °	-121.588655 °
DWR ID	DWR_RD0349_02_s_2013_54				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.38	Rating **	M	Issue No.	11
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2015: No observed changes. [2015 Site ID: STM_22-8_R]					

Photo 1 of 1 : USACE2013A_STM_22-8_R_6.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	3.49	Rating **	A/W	Issue No.	55
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262779 °	38.262705 °
				-121.591783 °	-121.592975 °
DWR ID	DWR_RD0349_02_s_2013_55				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	3.58	Rating **	U	Issue No.	84
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262588 °	38.254733 °
				-121.593328 °	-121.599963 °
DWR ID	DWR_RD0349_02_f_2015_84				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the snap grasses from the waterside levee slope.					

Photo 1 of 1 : FA_2015_RD0349_205_84_20151012_00062.jpg



Tall snap grasses covering the waterward slope.

LM Start	3.64	Rating **	M	Issue No.	58
LM End	3.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.262153 °	38.262082 °
				-121.594315 °	-121.594386 °
DWR ID	DWR_RD0349_02_f_2013_58				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	3.72	Rating **	M	Issue No.	22
LM End	3.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261111 °	38.261001 °
				-121.595062 °	-121.595052 °
DWR ID	DWR_RD0349_02_s_2012_22				
Action/Comments					
Tree or limb					

No Photos

LM Start	3.81	Rating **	M	Issue No.	85
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.259882 °	38.257252 °
				-121.595245 °	-121.595403 °
DWR ID	DWR_RD0349_02_f_2015_85				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	3.99	Rating **	U	Issue No.	87
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257252 °	38.254733 °
				-121.595403 °	-121.599963 °
DWR ID	DWR_RD0349_02_f_2015_87				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unsatisfactory wild growth from the landside slope.					

Photo 1 of 1 : FA_2015_RD0349_205_87_20151012_00066.jpg



Unsatisfactory tall snap grasses and sweet anise weeds on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/09/2015 10/09/2015	Herman Phillips

LM Start	4.09	Rating **	M	Issue No.	74
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.256053 °	38.256053
				-121.596330 °	-121.596330
DWR ID	DWR_RD0349_02_f_2014_74				
Action/Comments					
Debris					
Inspector Comments: Garbage and exercise equipment dumped on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	51
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254733 °	38.276008 °
				-121.599963 °	-121.601003 °
DWR ID	DWR_RD0349_03_f_2015_51				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unwanted wild growth from the landside levee slope and toe.					

Photo 1 of 1 : FA_2015_RD0349_206_51_20151012_00040.jpg



Looking downstream from levee mile 0.00 to levee mile 1.53 landside slope covered with tall weeds and berries.

LM Start	0.03	Rating **	U	Issue No.	1
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255094 °	38.271075 °
				-121.600101 °	-121.603527 °
DWR ID	DWR_RD0349_03_s_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Mow the waterside levee slope.					

Photo 1 of 1 : FA_2015_RD0349_206_1_20151012_00038.jpg



Looking downstream from levee mile 0.00 waterside.

LM Start	0.30	Rating **	M	Issue No.	59
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259081 °	38.259081 °
				-121.600046 °	-121.600046 °
DWR ID	DWR_RD0349_03_s_2014_59				
Action/Comments					
Tree or limb					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	0.97	Rating **	U	Issue No.	971
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.268393 °	38.268393 °
				-121.602911 °	-121.602911 °
DWR ID	DWR_RD0349_03_s _ 2012_971				
Action/Comments					
Tree or limb					
Inspector Comments: Remove dead tree from the landside levee slope. Thin out the woody tree growth so that the slope can be seen.					

Photo 1 of 1 : FA_2015_RD0349_206_971_20151012_00043.jpg



The dead tree listed in last inspection has not been completely removed, nor has the woody tree growth been thinned out.

LM Start	1.22	Rating **	U	Issue No.	54
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.271910 °	38.278318 °
				-121.603358 °	-121.600343 °
DWR ID	DWR_RD0349_03_f _ 2015_54				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the unwanted woody tree growth from the waterside levee section.					

Photo 1 of 1 : FA_2015_RD0349_206_54_20151012_00044.jpg



Looking downstream from the waterside levee shoulder and slope woody tree growth blocking the view of the levee section.

LM Start	1.31	Rating **	N	Issue No.	63
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.273235 °	38.273235 °
				-121.602631 °	-121.602631 °
DWR ID	DWR_RD0349_03_s _ 2014_63				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	1.92	Rating **	M	Issue No.	2
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.310959 °	38.311288 °
				-121.597748 °	-121.596972 °
DWR ID					
Action/Comments					
Inspector Comments: 2015: Tall vertical sections into the levee slope and erosion along the toe. [2015 Site ID: STR_26-1_R]					

No Photos

LM Start	2.07	Rating **	M	Issue No.	61
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283288 °	38.288948 °
				-121.602622 °	-121.603282 °
DWR ID	DWR_RD0349_03_f_2015_61				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.52	Rating **	U	Issue No.	67
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288948 °	38.291873 °
				-121.603282 °	-121.603645 °
DWR ID	DWR_RD0349_03_f_2015_67				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove this unsatisfactory growth of vegetation.					

Photo 1 of 1 : FA_2015_RD0349_206_67_20151012_00045.jpg



Looking downstream waterside shoulder and slope at unsatisfactory tall weeds blocking the view of the levee section.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	3.00	Rating **	U	Issue No.	72
LM End	6.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295798 °	38.327002 °
				-121.604735 °	-121.576920 °
DWR ID	DWR_RD0349_03_f_2015_72				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: This section hasn't been maintained and is completely overgrown.					

Photo 1 of 1 : FA_2015_RD0349_206_72_20151009_00037.jpg



Unsatisfactory tall weeds and vegetation on the landside levee slope and shoulder

LM Start	3.01	Rating **	U	Issue No.	74
LM End	6.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296030 °	38.327002 °
				-121.604710 °	-121.576920 °
DWR ID	DWR_RD0349_03_f_2015_74				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Looking downstream from the waterside levee slope at unsatisfactory vegetation.					

Photo 1 of 1 : FA_2015_RD0349_206_74_20151012_00046.jpg



Looking downstream waterside, unsatisfactory tall vegetation blocking view of the levee slope.

LM Start	3.19	Rating **	U	Issue No.	73
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.298223 °	38.298223 °
				-121.603240 °	-121.603240 °
DWR ID	DWR_RD0349_03_f_2014_73				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: This tree on the landside slope is rotten and could possibly fall across levee section.					

Photo 1 of 2 : FA_2015_RD0349_206_73_20150915_00012.jpg



Close up view of dead tree standing above crown roadway.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	3.19	Rating **	U	Issue No.	73 (cont)
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.298223 °	38.298223 °
				-121.603240 °	-121.603240 °
DWR ID	DWR_RD0349_03_f_2014_73				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: This tree on the landside slope is rotten and could possibly fall across levee section.					

Photo 2 of 2 : FA_2015_RD0349_206_73_20150915_00013.jpg



Dead tree above crown roadway landward.

LM Start	4.20	Rating **	M	Issue No.	78
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310528 °	38.310528 °
				-121.597180 °	-121.597180 °
DWR ID	DWR_RD0349_03_f_2014_78				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Dead tree need removing from levee section.					

No Photos

LM Start	4.74	Rating **	U	Issue No.	80
LM End	6.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.316183 °	38.329088 °
				-121.590735 °	-121.579400 °
DWR ID	DWR_RD0349_03_f_2015_80				
Action/Comments					
Keep the crown roadway free of vegetation. Inspector Comments: Unable to continue from this point, the vegetation growth present on crown road way presented an extreme fire hazard to vehicles equipped with catalytic converter					

Photo 1 of 1 : FA_2015_RD0349_206_80_20151009_00036.jpg



RD 349 Levee mile 4.74 looking at overgrown crown roadway. Weeds are taller than four feet. Extreme fire hazard.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	5.04	Rating **	M	Issue No.	42
LM End	5.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320321 °	38.320321 °
				-121.589617 °	-121.589617 °
DWR ID	DWR_RD0349_03_s _ 2013_42				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.06	Rating **	M	Issue No.	3
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.320491 °	38.322233 °
				-121.589927 °	-121.590127 °
DWR ID					
Action/Comments					
Inspector Comments: 2015: Large Tree popout and tall vertical sections into the levee slope. [2015 Site ID: STR_26-9_L]					

No Photos

LM Start	5.20	Rating **	M	Issue No.	16
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322549 °	38.322546 °
				-121.589620 °	-121.589615 °
DWR ID	DWR_RD0349_03_f _ 2012_16				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	5.22	Rating **	M	Issue No.	21
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322693 °	38.322693 °
				-121.589327 °	-121.589327 °
DWR ID	DWR_RD0349_03_s _ 2012_21				
Action/Comments					
Tree or limb					

No Photos

LM Start	5.25	Rating **	M	Issue No.	36
LM End	5.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.322868 °	38.322868 °
				-121.588868 °	-121.588868 °
DWR ID	DWR_RD0349_03_f _ 2012_36				
Action/Comments					
Tree or limb					

No Photos

LM Start	5.28	Rating **	M	Issue No.	32
LM End	5.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322958 °	38.323141 °
				-121.588326 °	-121.587639 °
DWR ID	DWR_RD0349_03_f _ 2013_32				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	5.46	Rating **	M	Issue No.	38
LM End	5.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324448 °	38.325476 °
				-121.585648 °	-121.585042 °
DWR ID	DWR_RD0349_03_f_2012_38				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.83	Rating **	M	Issue No.	88
LM End	5.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.329465 °	38.329465 °
				-121.584995 °	-121.584995 °
DWR ID	DWR_RD0349_03_f_2014_88				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	5.89	Rating **	M	Issue No.	90
LM End	5.89	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330308 °	38.330308 °
				-121.584560 °	-121.584560 °
DWR ID	DWR_RD0349_03_f_2014_90				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/09/2015 10/09/2015	Herman Phillips

LM Start	6.09	Rating **	M	Issue No.	86
LM End	6.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.331327 °	38.331327 °
				-121.582067 °	-121.582067 °
DWR ID	DWR_RD0349_03_f _ 2014_86				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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